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SERIAL NUMBER	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.
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08/070,799 06/03/93 USHIWATA

S Q32499

EXAMINER

SCHROCK, A

ART UNIT

PAPER NUMBER

6

32M1/0112

SUGHRUE, MION, ZINN, MACPEAK & SEAS  
2100 PENNSYLVANIA AVENUE, N.W.  
WASHINGTON, DC 20037

3204

DATE MAILED:

01/12/94

This is a communication from the examiner in charge of your application.  
COMMISSIONER OF PATENTS AND TRADEMARKS

☒ This application has been examined ☐ Responsive to communication filed on \_\_\_\_\_ ☐ This action is made final.

A shortened statutory period for response to this action is set to expire THREE month(s), \_\_\_\_\_ days from the date of this letter.  
Failure to respond within the period for response will cause the application to become abandoned. 35 U.S.C. 133

**Part I THE FOLLOWING ATTACHMENT(S) ARE PART OF THIS ACTION:**

- |   |  |
|---|--|
| 1. <input checked="" type="checkbox"/> Notice of References Cited by Examiner, PTO-892. | 2. <input checked="" type="checkbox"/> Notice of Draftsman's Patent Drawing Review, PTO-948. |
| 3. <input checked="" type="checkbox"/> Notice of Art Cited by Applicant, PTO-1449.      | 4. <input type="checkbox"/> Notice of Informal Patent Application, PTO-152.                  |
| 5. <input type="checkbox"/> Information on How to Effect Drawing Changes, PTO-1474.     | 6. <input type="checkbox"/> _____  |

**Part II SUMMARY OF ACTION**

1. ☒ Claims 1-4 are pending in the application.  
Of the above, claims \_\_\_\_\_ are withdrawn from consideration.
2. ☐ Claims \_\_\_\_\_ have been cancelled.
3. ☐ Claims \_\_\_\_\_ are allowed.
4. ☒ Claims 1-4 are rejected.
5. ☐ Claims \_\_\_\_\_ are objected to.
6. ☐ Claims \_\_\_\_\_ are subject to restriction or election requirement.
7. ☐ This application has been filed with informal drawings under 37 C.F.R. 1.85 which are acceptable for examination purposes.
8. ☐ Formal drawings are required in response to this Office action.
9. ☐ The corrected or substitute drawings have been received on \_\_\_\_\_. Under 37 C.F.R. 1.84 these drawings are ☐ acceptable; ☐ not acceptable (see explanation or Notice of Draftsman's Patent Drawing Review, PTO-948).
10. ☐ The proposed additional or substitute sheet(s) of drawings, filed on \_\_\_\_\_, has (have) been ☐ approved by the examiner; ☐ disapproved by the examiner (see explanation).
11. ☐ The proposed drawing correction, filed \_\_\_\_\_, has been ☐ approved; ☐ disapproved (see explanation).
12. ☐ Acknowledgement is made of the claim for priority under 35 U.S.C. 119. The certified copy has ☐ been received ☐ not been received ☐ been filed in parent application, serial no. \_\_\_\_\_; filed on \_\_\_\_\_.
13. ☐ Since this application appears to be in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11; 453 O.G. 213.
14. ☐ Other

**EXAMINER'S ACTION**

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**Part III DETAILED ACTION**

***Specification***

1. The disclosure is objected to because of the following informalities: On page 6, line 8, "the", first occurrence, is misspelled. Appropriate correction is required.

***Claim Objections***

2. Claim 4 is objected to because of the following informalities: In claim 4, line 7, "upper" is misspelled. Appropriate correction is required.

***Claim Rejections - 35 USC § 112***

3. Claims 1-4 are rejected under 35 U.S.C. § 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

In claim 1, lines 4-5, and claim 4, line 6, the terms "rightward and leftward" are indefinite, since they depend upon perspective view.

In claim 4, line 5, "the rear" lacks proper antecedent basis.

In claim 4, lines 10 and 11, the "detent" and the "hole" appear to be the same element.

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4. The following is a quotation of 35 U.S.C. § 103 which forms the basis for all obviousness rejections set forth in this Office action:

A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Subject matter developed by another person, which qualifies as prior art only under subsection (f) or (g) of section 102 of this title, shall not preclude patentability under this section where the subject matter and the claimed invention were, at the time the invention was made, owned by the same person or subject to an obligation of assignment to the same person.

5. Claims 1 and 4 are rejected under 35 U.S.C. § 102(b) as anticipated by Sato et al or, in the alternative, under 35 U.S.C. § 103 as obvious over <sup>SATO ET AL IN VIEW OF</sup> Brickner, Jr.

Sato et al discloses a desk-top circular saw which shows a base (3), a turntable (4), a holder (7) supported by the turntable, a saw with shaft located above the support, a motor (16) with a shaft which appears to be parallel with the saw shaft. The motor is mounted above the saw shaft, and is linked to the shaft through a transmission. Sato et al does not expressly show a motor shaft parallel to the saw shaft. Sato et

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al also shows a detent (24) in which a pin is mounted for locking the saw in several positions including a "zero-tilt angle".

Brickner, Jr. discloses a motor pack for a circular saw which shows a motor shaft mounted above and parallel with a saw drive shaft. Brickner, Jr. also discloses using gears and belts as transmission means.

It would have been obvious to one having ordinary skill in the art to have connected Sato et al's motor shaft parallel to the saw shaft through gears or a belt so that the motor casing would not interfere with the work during angle cuts as taught by Brickner, Jr.

#### ***Conclusion***

6. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

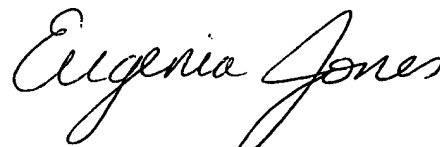
Sasaki, Terpstra, Brundage et al, Chen, and Fushiya et al, all disclose table saws.

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7. Any inquiry concerning this communication should be directed to Allan Schrock at telephone number (703) 308-1406.



EUGENIA JONES  
PRIMARY EXAMINER  
GROUP 3200

AS   
January 7, 1994